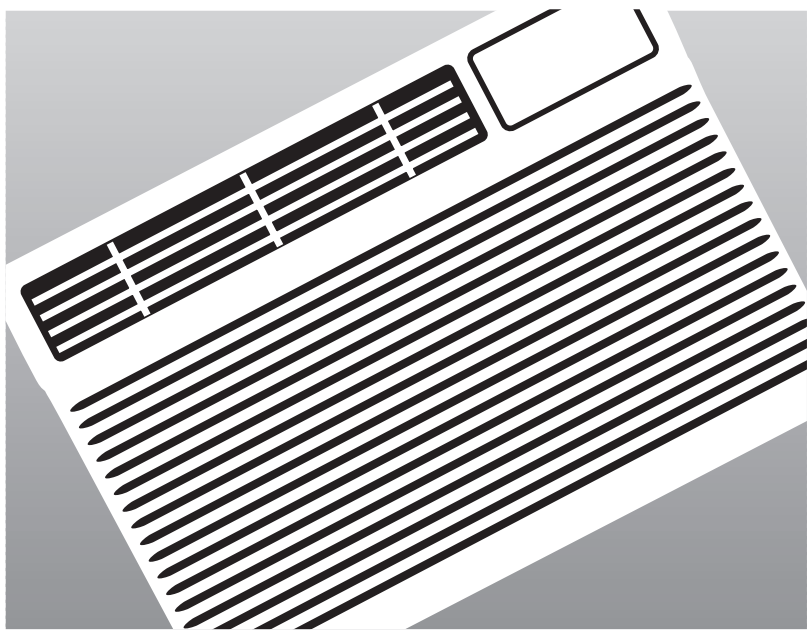
SAMSUNG

# USER'S MANUAL

## AW08NH Series

**Window-type Room Air Conditioner (Cooling)**



ⒺⓈ DB98-31807A

# Safety Precautions

***The following safety precautions must be taken when using your air conditioner.***

**WARNING**

Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning. • This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

## DURING OPERATION

- Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.
- Never spill any kind of liquid into the unit. Should this happen, unplug or switch the unit off and contact an authorized service center.
- Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
- Do not place any obstacles in front of the unit.
- Do not spray liquid of any kind into the unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.
- Make sure that the unit is correctly ventilated at all times: Do not place clothing or other materials over it.
- If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
- When using the wireless remote control, the distance should not be more than 7 meters from the air conditioner. (If applicable)
- The air conditioner must be plugged into its own specific power source, which must be installed in compliance with national wiring,grounding and safety regulations.
- If the power cord is damaged in any way, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid a hazard.
- This device must be installed according to the national electrical rules.
- After installing the appliance, the plug should be easily accessible.
- The breaker of the air conditioner should be all-pole switch; and the distance between its two contacts should be no less than 3.5mm. Such means for disconnection must be incorporated in the fixed wiring.

## DISPOSING OF THE UNIT

- Before throwing out the device, it is necessary to remove the battery cells and recycle them.
- When you are ready to dispose of the unit, consult your dealer first. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin,causing injury. Releasing refrigerant into the atmosphere also damages the environment.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.

## OTHERS

- Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
- The appliance is not intended for use by young children or ill persons without supervision; young children should be supervised to ensure that they do not play with the appliance.
- Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.



DB98-26609A.indd 2 2006-10-12 10:18:59

# Contents


◆ PREPARING YOUR AIR CONDITIONER
- Safety Precautions ..... 2
- Description of Each Component ..... 4
- Remote Control - Buttons ..... 5
- Getting Started ..... 6
- Inserting the Remote Control Batteries ..... 7

◆ OPERATING YOUR AIR CONDITIONER
- Cooling Your Room ..... 8
- Airing Your Room ..... 9
- Removing Excess Humidity ..... 10
- Adjusting the Air Flow Direction Horizontally ..... 11
- Adjusting the Air Flow Direction Vertically ..... 11

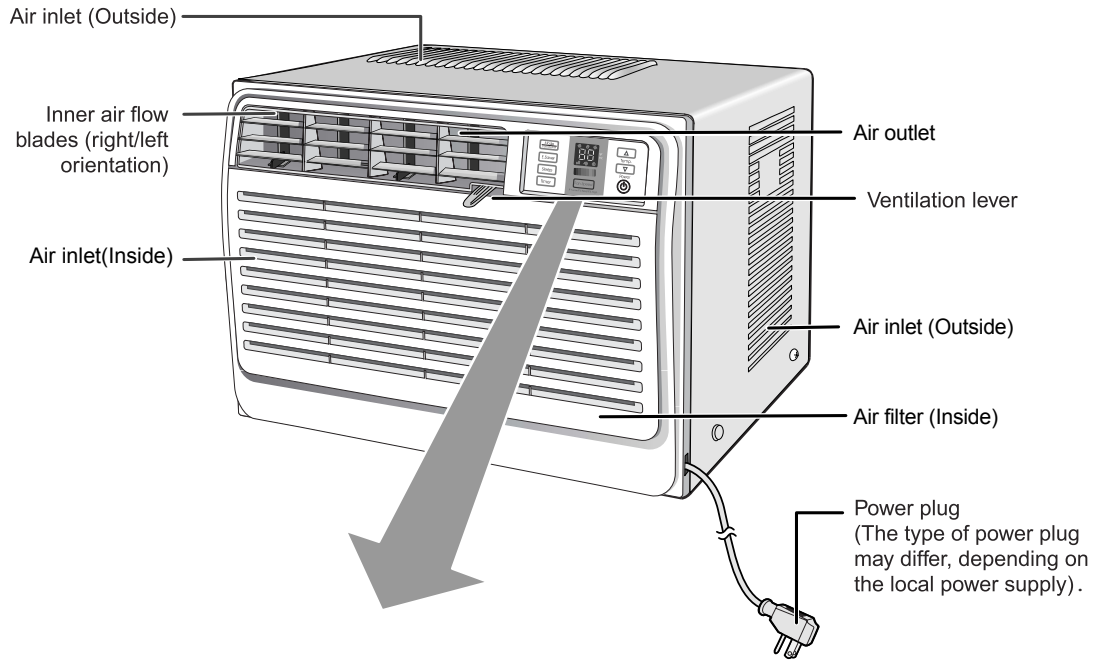
◆ PROGRAMMING YOUR AIR CONDITIONER
- Setting the On Timer ..... 12
- Setting the Off Timer ..... 13
- Selecting Good Sleep mode ..... 14
- Selecting Energy Saving mode ..... 15

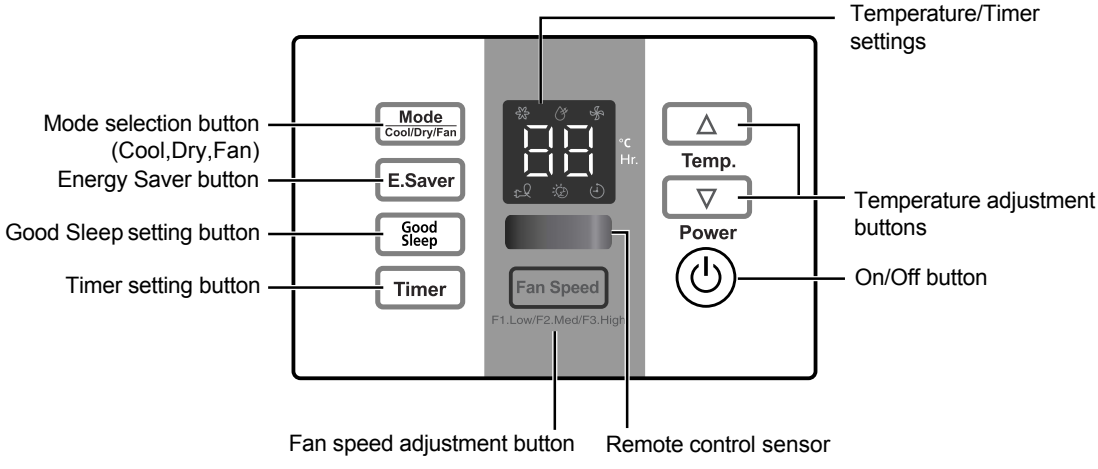
◆ RECOMMENDATIONS FOR USE
- Temperature and Humidity Ranges ..... 16
- Cleaning Your Air Conditioner ..... 17
- Solving Common Problems ..... 18

◆ INSTALLATION ..... 19

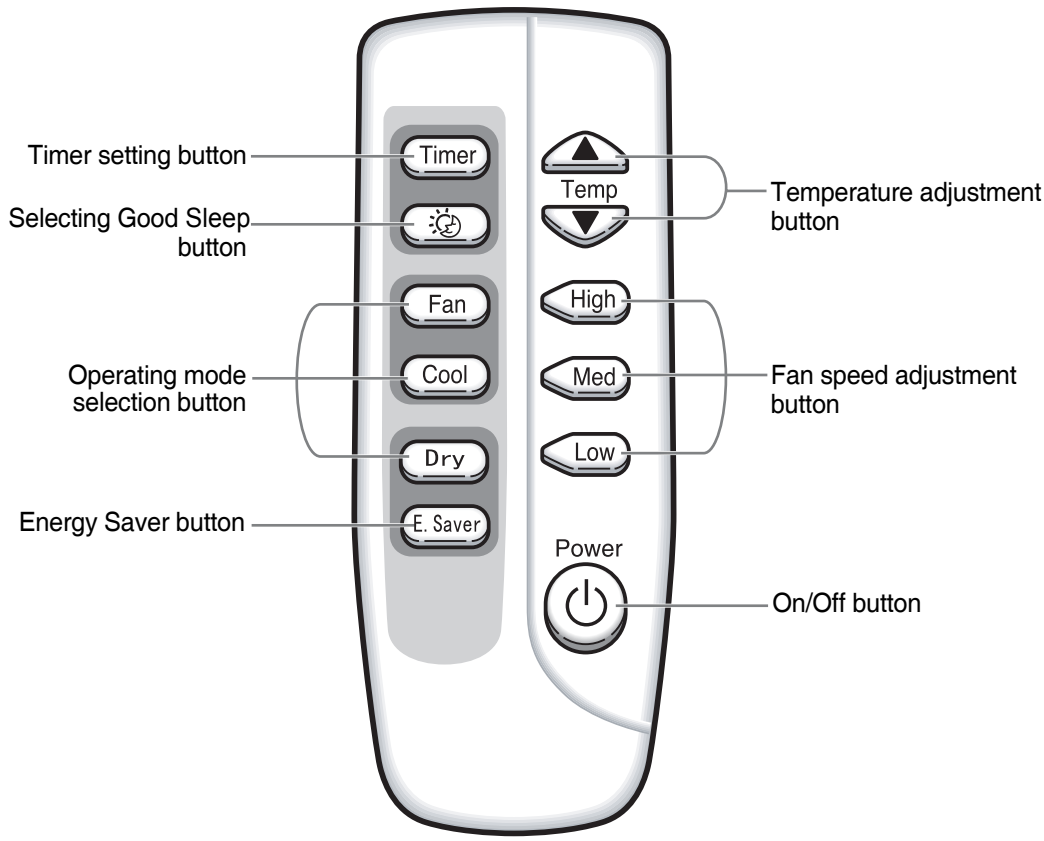
# Description of Each Component

❄ The design and shape are subject to change.


Air inlet (Outside)
Inner air flow blades (right/left orientation)
Air inlet(Inside)
Air outlet
Ventilation lever
Air inlet (Outside)
Air filter (Inside)
Power plug
(The type of power plug may differ, depending on the local power supply).



# Remote Control - Buttons



# Getting Started

***You have just purchased a Samsung window-type Room Air Conditioner which should be installed by following your installation manual.***

***Your Owner's Instructions contain valuable information on using your air conditioner.***
***Please take the time to read them as they will help you take full advantage of the unit's features.***

***The booklet is organized as follows.***

- ***The following figures are shown on pages 4 and 5:***
  - ***Description of Each Component***
  - ***Remote control (buttons)***

  ***They will help you find the buttons and understand the symbols displayed.***

- ***In the manual, you will find a series of step-by-step procedures for each function available.***

***The illustrations in the step-by-step procedures use four different symbols:***

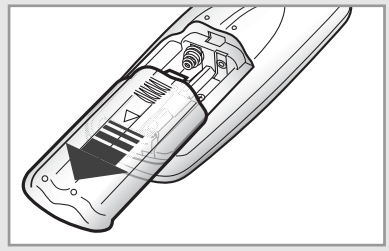
| | | | |
|---|---|---|---|
| **PRESS** | **PUSH** | **IMPORTANT** | **NOTE** |

# Inserting the Remote Control Batteries

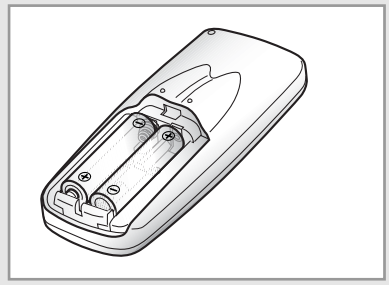
***You must insert or replace the remote control batteries when :***

- ***You purchase the air conditioner***
- ***The remote control does not work correctly***

➢
- Use two AAA, LR03 1.5V batteries.
- Do not use old batteries or different kinds of batteries together.
- Batteries may be completely discharged after 12 months, even if they have not been used.



**1** Push the battery cover on the rear of the remote control with your thumb in the direction of the arrow and remove it.

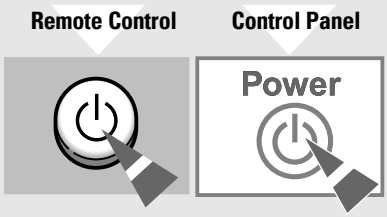


**2** Insert the two batteries, taking care to respect the polarities :
- + on the battery with + on the remote control.
- - on the battery with - on the remote control.

**3** Close the cover by sliding it back until it clicks into place.

# Cooling Your Room

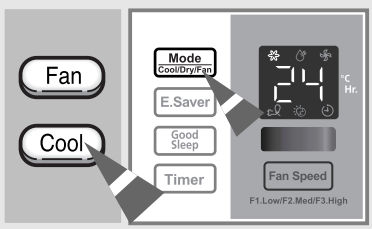
***You must select the Cool mode if you wish to lower the temperature in your room. You can also set the Fan speed.***




**1** Press the ⏻ (On/Off) button.

Result: ◆ The air conditioner starts up in the Cool mode.
◆ The unit beeps twice.

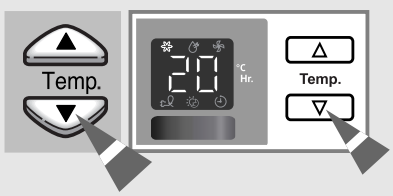
☛ The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Plugged in
◆ Stopped
It will begin to cool after three minutes




**2** If the temperature is not displayed on the control panel:
◆ Press the Cool button on the remote control
or
◆ Press the Mode button on the unit one or more times until ☼ is displayed.

Result: ◆ The unit beeps each time you press the Cool / Mode button.
◆ The air conditioner starts up in the Cool mode.

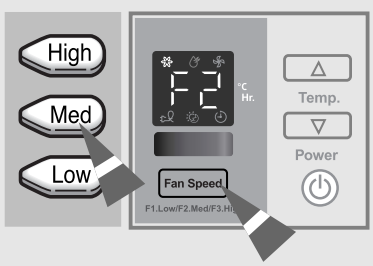
➢ You can change modes at any time.




**3** To adjust the temperature, press the ▲ or ▼ buttons on the remote control or unit one or more times until the desired temperature is displayed.

The temperature can be set between 18°C and 30°C.

Result: ◆ Each time you press the △ or ▽ buttons:
– The temperature is adjusted by 1°C and displayed on the control panel
– The unit beeps
◆ If the room temperature is higher than the selected temperature, the air conditioner starts cooling.
◆ If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan still operates.




**4** To set the fan speed:
◆ Press the High, Med or Low button on the remote control as desired.
or
◆ Press the Fan Speed button on the unit one or more times until the desired Fan speed(F1, F2 or F3) is displayed.

**5** To control the direction of the air flow, refer to page 11.

# Airing Your Room

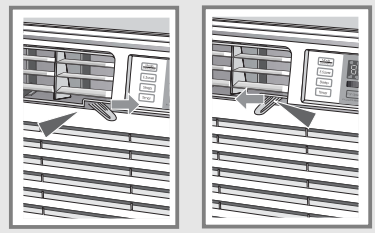
***If you want to provide air circulation without cooling, you can use the Fan mode.***

**1** If you wish to evacuate stale air outside, push the ventilation lever on the front of the unit to the right and the open position ( ).

Result: The air inside the room circulates and stale air is evacuated outside.

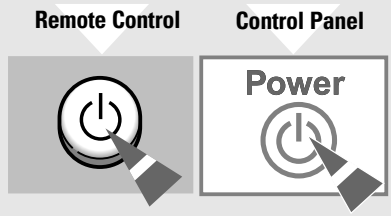
Otherwise, push the ventilation lever to the left and the closed position ( ).

Result: The air simply circulates inside the room.



**2** If necessary, press the ⏻ (On/Off) button.

Result:
- The Air Conditioner starts up in Cool mode.
- The unit beeps twice.

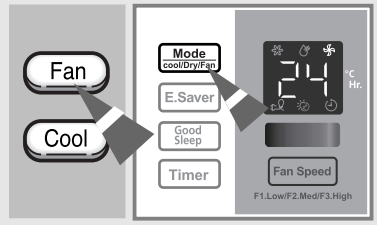



**3** If the Fan Speed(F1, F2 or F3) is not displayed on the control panel:
- Press the Fan button on the remote control

or
- Press the Mode button on the unit one or more times until the Fan Speed (F1, F2 or F3) is displayed.

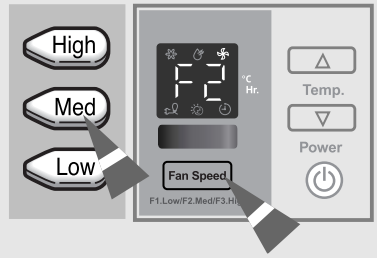
Result:
- The unit beeps each time you press the Fan / Mode button.
- The Air Conditioner starts up in Fan mode.

➢ You can change modes at any time.
When the Air Conditioner is in Fan mode, the temperature cannot be set or displayed.




**4** To set the Fan Speed:
- Press the High, Med or Low button on the Remote control as desired.

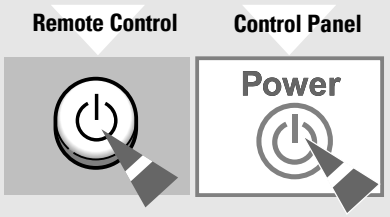
or
- Press the Fan Speed button on the unit one or more times until the desired Fan Speed(F1, F2 or F3) is displayed.




**5** To control the direction of the air flow, refer to page 11.

# Removing Excess Humidity

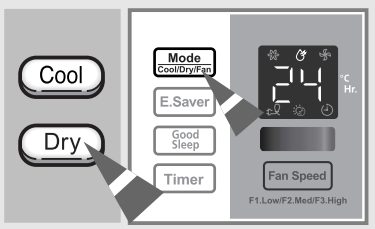
***If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.***




**1** If necessary, press the ⏻ (On/Off) button.

Result: ◆ The air conditioner starts up in the Cool mode.
◆ The unit beeps.

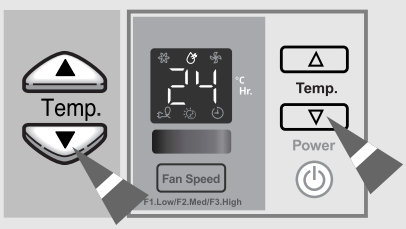
☛ The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Plugged in
◆ Stopped
It will begin to cool after three minutes.




**2** If the temperature is not displayed on the control panel:
◆ Press the Dry button on the remote control
or
◆ Press the Mode button on the unit one or more times until ☼ is displayed.

Result: ◆ The unit beeps each time you press the Dry / Mode button.
◆ The air conditioner starts up in the Cool mode.

➢ You can change modes at any time.




**3** To adjust the temperature, press the △ or ▽ buttons one or more times until the required temperature is displayed.
The temperature can be set between 18°C and 30°C.

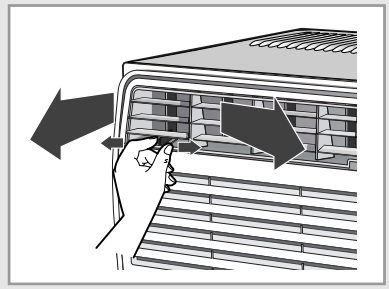
Result: ◆ Each time you press the △ or ▽ buttons:
- The temperature is adjusted by 1°C
- The unit beeps
◆ The air conditioner starts removing the excess humidity; the quality of air is adjusted automatically.

**4** To control the direction of the air flow, refer to page 11.

# Adjusting the Air Flow Direction Horizontally

***Depending on the position of the unit in your room, you can adjust the orientation of the inner air flow blades on the unit.***

Adjust the inner air flow blades to the desired position by sliding them side to side.



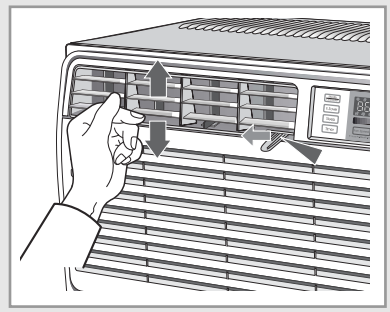
# Adjusting the Air Flow Direction Vertically

***The outer air flow blades can be adjusted to control the vertical air flow direction.***

***RECOMMENDATION***

| When... | Adjust the blades to face... |
|---|---|
| Cooling | Upwards. |

Adjust the outer air flow blades to the desired position, by pushing them upwards or downwards.

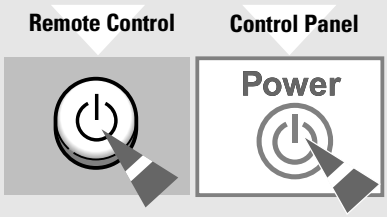


➢ If you position the outer air flow blades downward while the unit operates in Cool mode for long periods of time, dew may:

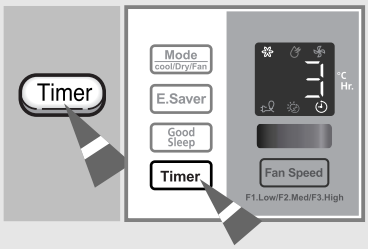
- Form on the surface of the blades
- Drip from the blades

# Setting the On Timer

***The On Timer enables you to switch on the air conditioner automatically after a given time. You can select the On timer only when the air conditioner is off.***




**1** Check that the air conditioner has been switched off; if necessary, press the ⏻ (On/Off) button.

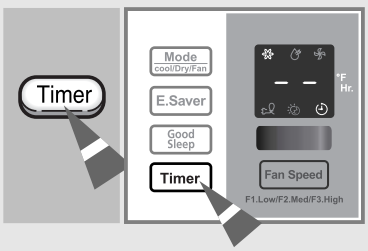



**2** Set the desired amount of time in hours before the unit will come on by pressing the Timer button on the remote control or Timer button on the unit one or more times. The countdown time can be set between 1 and 24 hours.

Result:
- Each time you press the Timer button:
  - The time is adjusted by 1 hour and displayed on the control panel
  - The unit beeps
- The countdown time is displayed and decreases automatically to indicate the remaining time.
- The air conditioner starts up in the Cool or Dry mode automatically when the countdown time reaches zero.

➢ You can select the fan speed,temperature and Energy Saving mode after setting the On timer mode. And you also can change the Cool or Dry mode without cancelling the On timer mode.

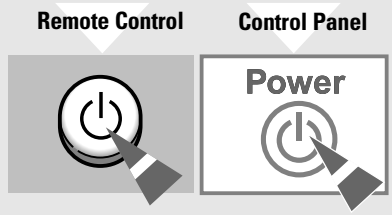
## To Cancel the On Timer




To cancel the timer, press:
- Timer on the remote control or unit one or more times until "--" is displayed.
  or
- The ⏻ (On/Off) button on the remote control or unit
  (The Air Conditioner returns to the previously selected operation mode.)

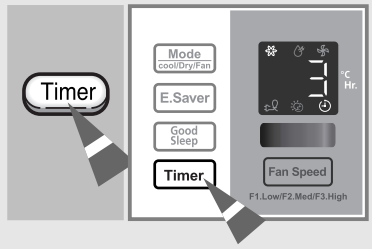
# Setting the Off Timer

***The Off Timer enables you to switch off the air conditioner automatically after a given time. You can select the Off timer only when the air conditioner is on.***




**1** Check that the air conditioner has been switched on; if necessary, press the ⏻ (On/Off) button.

**2** Set the desired amount of time before the unit will turn off by pressing the Timer button on the remote control or Timer button on the unit one or more times until the desired time is displayed. The countdown time can be set between 1 and 24 hours.

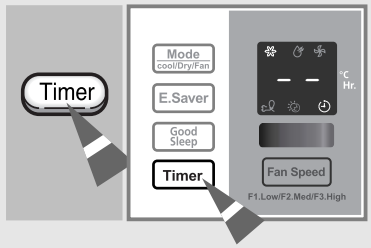



Result:
- ◆ Each time you press the Timer button:
  - – The time is adjusted by 1 hour and displayed on the control panel
  - – The unit beeps
- ◆ The countdown time is displayed and decreases automatically to indicate the remaining time.
- ◆ The air conditioner switches off automatically when the countdown time reaches zero.

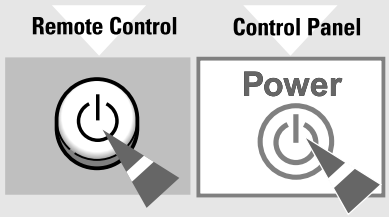
➢ You can select the fan speed, temperature and Energy saving mode after setting the Off timer mode. However, when you change to the fan speed mode,the Off timer mode is canceled.

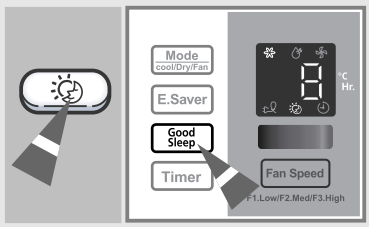
## To Cancel the Off Timer

To cancel the timer, press:
- ◆ Timer on the remote control or unit one or more times until "--" is displayed.
  or
- ◆ The ⏻ (On/Off) button on the remote control or unit.



# Selecting Good Sleep Mode



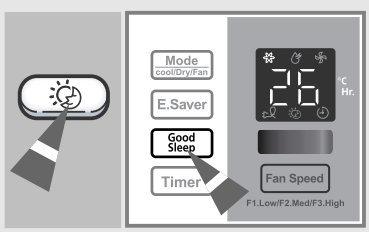

***The Good Sleep mode can be used when you are cooling your room to switch the air conditioner off automatically after 8 hours.***

➢ ***The Good Sleep function can be set whether the air conditioner is switched on or off,and this function can be selected for any mode.***

Press the (Good Sleep) button on the remote control
or
press the Good Sleep button on the unit.

Result:
- ◆ Each time you press a button, the unit beeps.
- ◆ The indicator and " 8 " will be displayed.
- ◆ The remaining time is decreased and displayed in 1 hour segments.
- ◆ If Good Sleep is selected after switching on the unit ,the air conditioner will run in Cool mode.During this period, the temperature displayed is one you set for the Cool mode. If the Good Sleep is selected before switch on the unit, the air conditioner starts running in Cool mode and the temperature is set to 26 °C.
- ◆ The fan is running in low mode (F1), and you can adjust the speed.

## To Cancel the Good Sleep Mode




***If you no longer wish to use the Good Sleep mode that you have set, you can cancel it at any time.***

**1** Press the (⏻) button on the remote control
or
press the (⏻) button on the unit
to switch off the air conditioner.

**2** To cancel a selected Good Sleep mode,you can also press the (Good Sleep), (E.Saver), (Timer), (Fan) or (Dry) button on the remote control
or
press the Good Sleep, E.Saver, Mode cool/Dry/Fan or Timer button on the unit.

Result:
- ◆ The unit beeps.
- ◆ The indicator is no longer displayed.
- ◆ The air conditioner operates in the last selected mode.

➢ If you select the Energy Saving mode in the Good Sleep mode, the Good Sleep mode will be canceled and the air conditioner will start up in the Energy Saving mode.

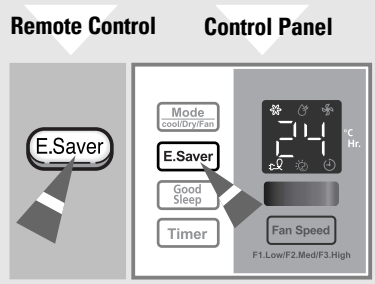
# Selecting Energy Saving Mode

***If you wish to save energy when using your air conditioner, select the energy saving mode.***

**1** To select the energy saving mode, press the E.Saver button on the remote control or E.Saver button on the unit one or more times until the Energy Saver indicator lights up.

Result:
- The fan and compressor cycle on and off together.
- The fan will continue to run for a short time after the compressor cycles off.

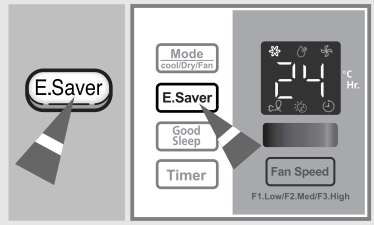
➢ If you would like the air conditioner to run in Dry mode, do not press the E.Saver button. You cannot use the Dry mode in the energy saving mode.




**2** To stop the energy saving mode, press the E.Saver button on the remote control or E.Saver button on the unit again.

Result: The fan runs at all times, while the compressor cycles on and off.

➢ If you select the Good Sleep in the Energy Saving mode, the Energy Saving will be cancelled and the air conditioner will start up in the Good Sleep mode.



# Temperature and Humidity Ranges

***The following table indicates the air conditioner's temperature and humidity operation range.***

| Mode | Indoor Temperature | Outdoor Temperature | Indoor Humidity |
|---|---|---|---|
| Cooling | 21°C to 32°C approx. | 21°C to 43°C approx. | 80% or less |

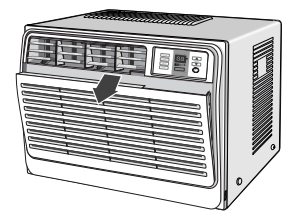
| If the air conditioner is used at... | Then... |
|---|---|
| Higher temperatures | The automatic protection feature may be triggered and the air conditioner will stop. |
| Lower temperatures | A water leakage or some other malfunction may happen if the heat exchanger freezes. |
| Higher humidity levels | Water may condense on and drip from the surface of the unit if it is used for long periods. |

# Cleaning Your Air Conditioner

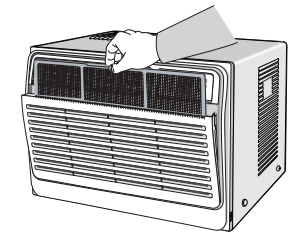
***Be sure to clean the air filter periodically to keep the air conditioner operating at optimum level.***

☛ ***When cleaning the air conditioner, turn it off and pull out the power plug.***

**1** Open the front grille by pulling the tabs on both sides of the front grille. Then lift it up slightly to open the front grille completely.



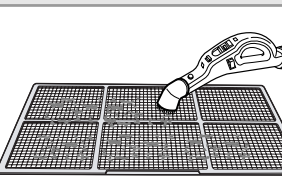
**2** Grab the tabs on the air filter and pull it up and out.



**3** Remove all dust on the air filter with a vacuum cleaner or brush.

**4** When you have finished, insert the air filter back into its original position.

**5** Wipe the surface of the unit with a neutral detergent and then wipe it again with a dry cloth. (Be sure not to use benzene, solvent or other chemical products.)



➢

| If you... | Then... |
|---|---|
| Will not be using the air conditioner for a long period of time | ◆ Switch the fan on for a few hours to thoroughly dry the inside of the air conditioner.<br>◆ Switch the air conditioner off and unplug it from the wall socket.<br>◆ Clean the filter and outer surfaces. |
| Have not used the air conditioner for a long period of time | Switch the fan on for a few hours to thoroughly dry the inside of the air conditioner. |

# Solving Common Problems

***Before contacting a Samsung authorized service center, perform the following simple checks. They may save you the time and expense of an unnecessary call.***

| Problem | Explanation / Solution |
|---|---|
| The air conditioner does not operate at all | ◆ Check that the circuit breaker used for the air conditioner has not been triggered.<br>◆ Check that the power cable is plugged into a wall socket and the socket is switched on, if necessary.<br>◆ Check that the temperature indicator on the unit is lit; if necessary, press the ⏻ (On/Off) button on the remote control or unit. |
| The air conditioner does not operate with the remote control | ◆ Check that there are no obstacles between you and the unit.<br>◆ Replace the remote control batteries if necessary.<br>◆ Check that you are close enough to the unit (seven meters/yards or less). |
| No beep is heard when you press the ⏻ (On/Off) button on the remote control | ◆ Check that you are pointing the remote control at the remote control sensor on the unit.<br>◆ Replace the remote control batteries if necessary. |
| The air conditioner does not cool | ◆ Check that the correct operating mode has been selected(Cool).<br>◆ The room temperature may be too low.<br>◆ Dust may be blocking the air filter; refer to page 17 for cleaning instructions.<br>◆ Check that there is no obstacle blocking the air flow into or out of the unit. |
| The timer is not correctly triggered | ◆ Check that the timer has been programmed correctly; refer to pages 12~14. |
| Odors are permeating the room during air conditioning | ◆ Ventilate the room. |

# Installation

***Before installation, be sure to check the installation area or the air conditioner, and drain hose.***

**Checkpoints prior to installation**

1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.

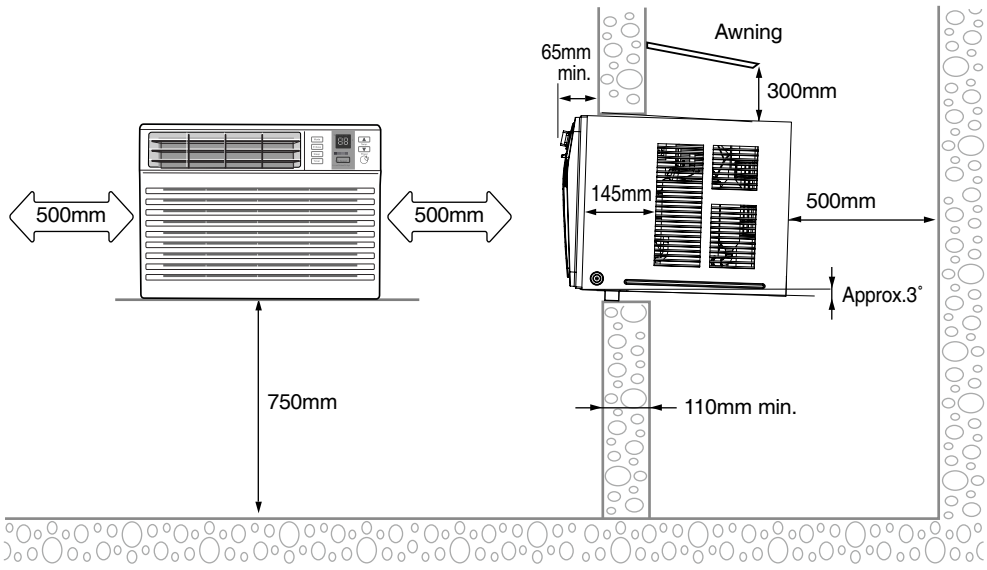
2 Be sure to check the power supply.
- Refer to the specifications on the label attached to the unit.

**Installation Conditions**

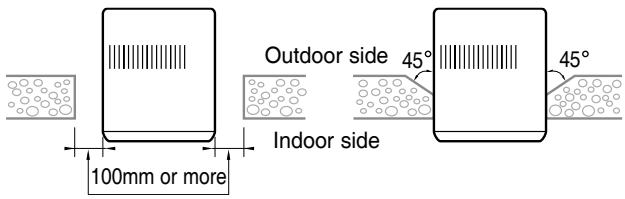
1 As the unit is heavy, the wall or window of the installation area should have sufficient strength and durability for operation of the air conditioner, and for prevention of any vibration or noise.
If it is weak, reinforcement work should be performed separately.

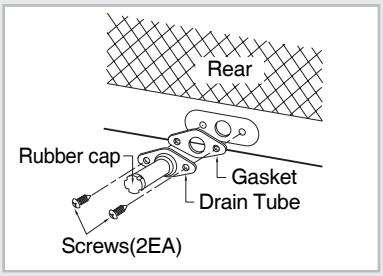
2 It is advisable to install the air conditioner in the north or west side to prevent the effect of direct sunlight.
When installing it in the south or east side due to unavoidable circumstances, it is advisable to install the sunshade to prevent the direct sunlight.
In this case, take care not to cause any hindrance to the flow of outside air.

3 When installing the air conditioner, be sure to obtain sufficient space on the rear side of the unit for smooth flow of air.
When operating the air conditioner in closed areas such as inner building with cooling operation, and result in trouble with the unit.
See the illustration below.




◆ If the wall is greater than 110mm thick, cut the wall back on a 45 angle if possible.






**Installation of the Drain Tube**

Fix the drain tube as shown in the figure.

## Memo



DB98-20383A.indd 13 2006-10-26 19:05:07

QUESTIONS OR COMMENTS?

| COUNTRY | CALL | OR VISIT US ONLINE AT |
|---|---|---|
| ARGENTINE | 0800-333-3733 | www.samsung.com/ar |
| BRAZIL | 0800-124-421<br>4004-0000 | www.samsung.com/br |
| CHILE | 800-SAMSUNG(726-7864) | www.samsung.com/cl |
| Nicaragua | 00-1800-5077267 | www.samsung.com/latin |
| Honduras | 800-7919267 | www.samsung.com/latin |
| COSTA RICA | 0-800-507-7267 | www.samsung.com/latin |
| ECUADOR | 1-800-10-7267 | www.samsung.com/latin |
| EL SALVADOR | 800-6225 | www.samsung.com/latin |
| GUATEMALA | 1-800-299-0013 | www.samsung.com/latin |
| JAMAICA | 1-800-234-7267 | www.samsung.com/latin |
| PANAMA | 800-7267 | www.samsung.com/latin |
| PUERTO RICO | 1-800-682-3180 | www.samsung.com/latin |
| REP. DOMINICA | 1-800-751-2676 | www.samsung.com/latin |
| TRINIDAD & TOBAGO | 1-800-SAMSUNG(726-7864) | www.samsung.com/latin |
| VENEZUELA | 0-800-100-5303 | www.samsung.com/latin |
| COLOMBIA | 01-8000112112 | www.samsung.com.co |
| INDIA | 3030 8282<br>1800 110011<br>1800 3000 8282 | www.samsung.com/in |
| INDONESIA | 0800-112-8888 | www.samsung.com/id |
| MALAYSIA | 1800-88-9999 | www.samsung.com/my |
| PHILIPPINES | 1-800-10-SAMSUNG(726-7864)<br>1-800-3-SAMSUNG(726-7864)<br>1-800-8-SAMSUNG(726-7864)<br>02-5805777 | www.samsung.com/ph |
| SINGAPORE | 1800-SAMSUNG(726-7864) | www.samsung.com/sg |
| THAILAND | 1800-29-3232<br>02-689-3232 | www.samsung.com/th |
| VIETNAM | 1 800 588 889 | www.samsung.com/vn |
| SOUTH AFRICA | 0860-SAMSUNG(726-7864 ) | www.samsung.com/za |